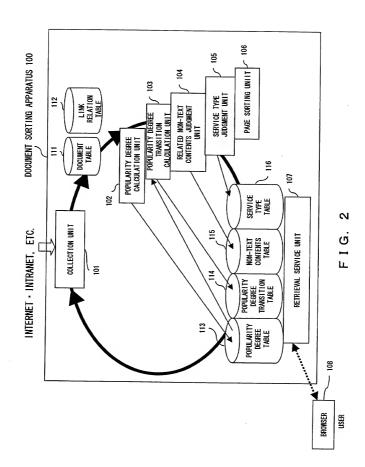


F I G. 1



DOCUMENT TABLE 111

URL	Ω
http://aaa.co.jp/	123
http://bbb.co.jp/dd/	124
	:
	:

F I G. 3

## 

LINK RELATION TABLE 112

COLLECTION UPDATE LINK DATE SOURC	UPDATE Date	LINK SOURCE ID	LINK DESTINATION ID STRING
010810	010725 123	123	124, 128, 3150, 3630,
010810	010620 124	124	256, 975, 1225,
	:		•

7 .5 .

POPULARITY DEGREE TABLE 113

CALCULATION DATE	DOCUMENT ID	POPULARITY Degree	POPULARITY DEGREE ORDER
010820	123	5036	346
010820	124	83645	5890

F I G. 5

POPURAITY DEGREE TRNSITION TABLE 114

DOCUMENT ID	POPULARITY DEGREE	REE	POPULARITY DEGREE ORDER	RE ORDER
	REGRESSION COEFFICIENT	INTERCEPT	REGRESSION COEFFICIENT	INTERCEPT
123	-12	346	9-	233
124	-562	5890	-152	851
• • • • •		•••••		

F I G. 6

NO-TEXT CONTENTS TABLE 115

DOCUMENT ID	RELATED NON-TEXT CONTENTS ID	TYPE
123	3630	ШV
123	3150	pus
		****

F I G. 7

SERVICE TYPE TABLE 116

DOCUMENT ID	SERVICE TYPE
124	SEARCH
	SHOP

F I G. 8

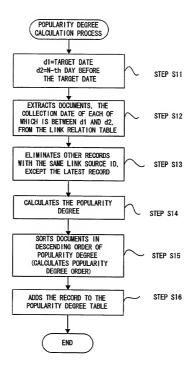
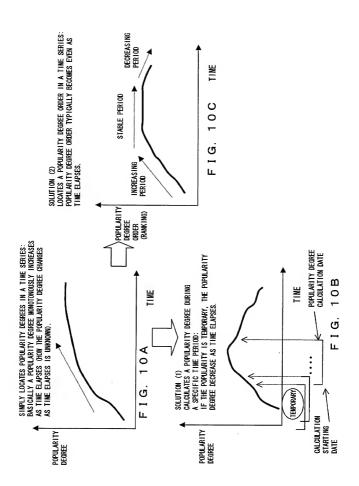
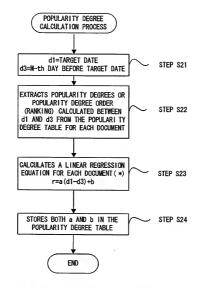


FIG. 9





\*IF POPULARITY DEGREES (OR POPULARITY DEGREE ORDER (RANKING)) OF d3, d3+1, ..., d1 dM Days) ARE ASSUMED TO BE W  $_0$ , W $_1$ , ..., W $_{k-1}$  RESPECTIVELY, THE FOLLOW EQUATIONS HOLD TRUE.  $a=(Mx1w-1xw)/(Mx12-1^2)$ 

 $a = (Mx1w-1xW) / (Mx12-1^2)$  $b = (1x1w-Wx12) / (1^2-Mx12)$ 

$$Iw = \sum_{i=0}^{M-1} i^* w_i$$
 ,  $W = \sum_{i=0}^{M-1} w_i$  ,  $I = \sum_{i=0}^{M-1} i$  ,  $I2 = \sum_{i=0}^{M-1} i^2$ 

FIG. 11

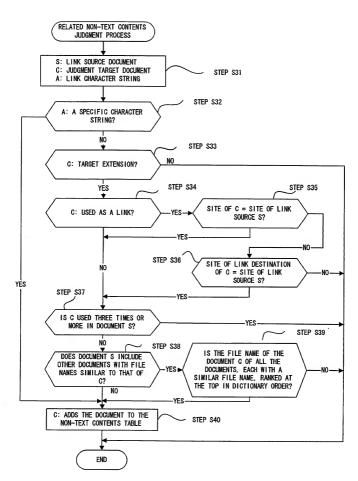


FIG. 12

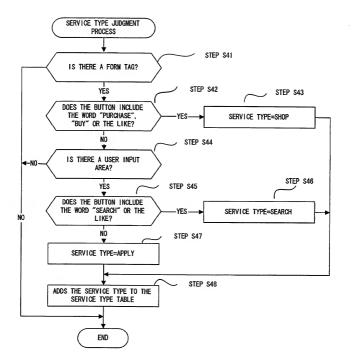
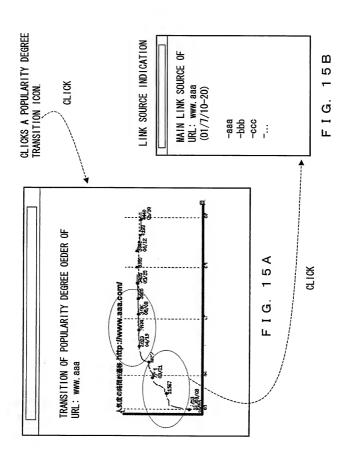
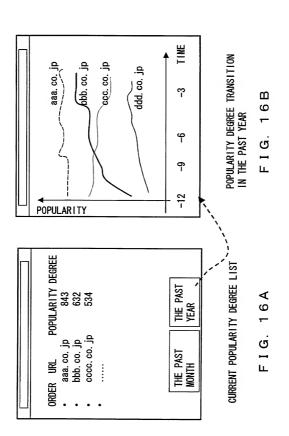


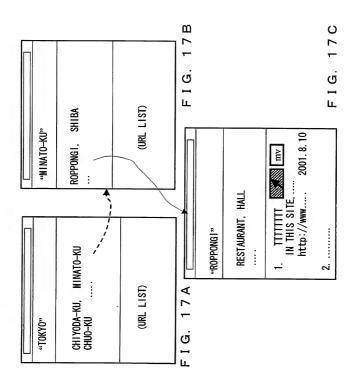
FIG. 13

1. LIFE WITH HERB IN THIS SITE, • • • http://www 2001.08.11		jpg mp3
2. UTILITY OF HERB TEA YOU, • • • http://www 2001.08.11	$\uparrow$	jpg
3. http://www 2001.08.11	7	jog
	1	

FIG. 14







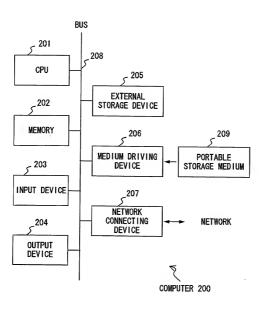


FIG. 18

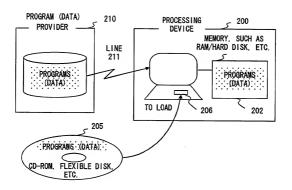


FIG. 19